

CLAIMS:

What is claimed is:

1. A method of storing Web content, comprising:
2. storing a first Web object on a storage device; and
3. storing a second Web object on the storage device in a co-located position from the first Web
4. object, wherein the first and second Web objects have correlated retrieval times.

5.
6. 2. The method of claim 1, wherein the first Web object is a Web page and the second Web
7. object is embedded in the Web page.

8.
9. 3. The method of claim 2, wherein the second Web object is a Web page embedded in the first
10. Web object.

11.
12. 4. The method of claim 1, wherein the first Web object is a Web page and the second Web
13. object is hyper-linked in the Web page.

14.
15. 5. The method of claim 1, wherein the storage device is a magnetic disk.

16.
17. 6. The method of claim 5, wherein the magnetic disk has at least one cylinder and the first and
18. second Web objects are stored on the cylinder of the magnetic disk.

19.
20. 7. The method of claim 5, wherein the magnetic disk has a plurality of cylinders and the first
21. and second Web objects are stored on closely spaced cylinders.

22.
23. 8. The method of claim 1, wherein the storage device is located on a Web caching server.

24.
25. 9. The method of claim 1, wherein the first and second Web objects comprise electronic files.

1 10. The method of claim 1, wherein at least one of the first and second Web objects comprises
2 a text file.

3

4 11. The method of claim 1, wherein at least one of the first and second Web objects comprises
5 an image file.

6

7 12. The method of claim 1, wherein at least one of the first and second Web objects comprises
8 an audio file.

9

10 13. The method of claim 1, wherein at least one of the first and second Web objects comprises
11 a video file.

12

13 14. A storage system for Web objects, comprising:
14 a microprocessor;
15 a storage device coupled to the microprocessor, the storage device adapted to store Web
16 objects and storage routines; and
17 a storage routine stored on the storage device, the storage routine adapted to store first and
18 second Web objects on the storage device in co-located positions, wherein the first and second Web
19 objects have correlated retrieval times.

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21 15. The storage system of claim 14, wherein the first Web object is a Web page and the second
22 Web object is embedded in the Web page.

23

24 16. The storage system of claim 15, wherein the second Web object is a Web page embedded in
25 the first Web object.

26

27 17. The storage system of claim 14, wherein the first Web object is a Web page and the second
28 Web object is hyper-linked in the Web page.

- 1 18. The storage system of claim 14, wherein the storage device is a magnetic disk.
2
3 19. The storage system of claim 18, wherein the magnetic disk has at least one cylinder and the
4 first and second Web objects are stored on the cylinder of the magnetic disk.
5
6 20. The storage system of claim 18, wherein the magnetic disk has a plurality of cylinders and
7 the first and second Web objects are stored on closely spaced cylinders.
8
9 21. The storage system of claim 14, wherein the first and second Web objects comprise
10 electronic files.
11
12 22. The storage system of claim 14, wherein at least one of the first and second Web objects
13 comprises a text file.
14
15 23. The storage system of claim 14, wherein at least one of the first and second Web objects
16 comprises an image file.
17
18 24. The storage system of claim 14, wherein at least one of the first and second Web objects
19 comprises an audio file.
20
21 25. The storage system of claim 14, wherein at least one of the first and second Web objects
22 comprises a video file.
23
24 26. A programmable storage device readable by a machine, tangibly embodying a program of
25 instructions executable by the machine to perform a method for storing Web content, said method
26 comprising:
27 storing a first Web object on a storage device; and
28 storing a second Web object on the storage device in a co-located position from the first Web
29 object, wherein the first and second Web objects have correlated retrieval times.

- 1 27. The programmable storage device of claim 26, wherein the first Web object is a Web page
2 and the second Web object is embedded in the Web page.
3
- 4 28. The programmable storage device of claim 27, wherein the second Web object is a Web page
5 embedded in the first Web object.
6
- 7 29. The programmable storage device of claim 26, wherein the first Web object is a Web page
8 and the second Web object is hyper-linked in the Web page.
9
- 10 30. The programmable storage device of claim 26, wherein the storage device is a magnetic disk.
11
- 12 31. The programmable storage device of claim 30, wherein the magnetic disk has at least one
13 cylinder and the first and second Web objects are stored on the cylinder of the magnetic disk.
14
- 15 32. The programmable storage device of claim 30, wherein the magnetic disk has a plurality of
16 cylinder and the first and second Web objects are stored on closely spaced cylinders.
17
- 18 33. The programmable storage device of claim 26, wherein the first and second Web objects
19 comprise electronic files.
20
- 21 34. The programmable storage device of claim 26, wherein at least one of the first and second
22 Web objects comprises a text file.
23
- 24 35. The programmable storage device of claim 26, wherein at least one of the first and second
25 Web objects comprises an image file.
26
- 27 36. The programmable storage device of claim 26, wherein at least one of the first and second
28 Web objects comprises an audio file.

1 37. The programmable storage device of claim 26, wherein at least one of the first and second
2 Web objects comprises a video file.

4 38. A method of storing Web content, comprising:
5 receiving a Web page;
6 identifying embedded or hyper-linked Web objects of the Web page;
7 receiving the embedded or hyper-linked Web objects; and
8 storing the Web page and the embedded or hyper-linked Web objects in co-located positions
9 on a storage device.

10

11 39. A method of storing Web content, comprising:

12 receiving a plurality of Web objects;

13 identifying at least one of the plurality of Web objects as a Web page;

14 identifying one or more of the plurality of Web objects as embedded or hyper-linked Web

15 objects of the Web page; and

16 storing the Web page and the embedded or hyper-linked Web objects in co-located positions

17 on a storage device.